



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**NOTICE OF ALLOWANCE AND ISSUE FEE DUE**

MMO2/1117

MARTIN C FLIESLER  
FLIESLER DUBB MEYER & LOVEJOY  
FOUR EMBARCADERO CENTER  
SUITE 400  
SAN FRANCISCO CA 94111-4156

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/235,615	01/21/99	066	CHANG, D	2819 11/17/00
First Named Applicant	AGRAWAL, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION: FPGA INTEGRATED CIRCUIT HAVING EMBEDDED SRAM MEMORY BLOCKS WITH REGISTERED ADDRESS AND DATA INPUT SECTIONS.

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2	AND18320MCF/	326-040.000	V17	UTILITY	NO	\$1240.00 02/20/01

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

**I. Review the SMALL ENTITY status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

**II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.**

**III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.**

***IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.***

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Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/235,615 01/21/99 ASRAWAL

0 EXAMINER: 20MCF/

MMC2/1117

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ART UNIT	PAPER NUMBER
CHANG, D	

DATE MAILED:  
2819

11/17/00

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Notice of Allowability

Application No.

09/235,615

Applicant(s)

Agrawal et al.

Examiner

Daniel Chang

Group Art Unit

2819



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to Amendment filed October 24, 2000.

☒ The allowed claim(s) is/are 1-19 and 21-67.

☐ The drawings filed on \_\_\_\_\_ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 5.

☐ including changes required by the proposed drawing correction filed on \_\_\_\_\_, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

## Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

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1 1. Receipt is acknowledged of the Amendment filed October 24, 2000.

2  
3 *Reasons for Allowance*

4 2. Claims 1-19 and 21-67 are allowed.

5 3. The following is an examiner's statement of reasons for allowance:

6 The closest prior art of record, McGowan et al., taken alone or in combination of other  
7 references, does not teach or fairly suggest a method and FPGA device which comprises the  
8 following:

9 With respect to claims 1, 41, and 45, in addition to other limitations in each claims, the  
10 prior art does not show a plurality of independently-usable memory blocks which include all  
11 the elements and means as claimed in the claims 1, 41, and 45.

12 With respect to claim 10, in addition to other limitations in the claim, the prior art does  
13 not show a first and second independently-addressable data ports which include all the  
14 elements and means as claimed in the claim.

15 With respect to claim 11, in addition to other limitations in the claim, the prior art does  
16 not show address-strobing means which include all the elements and means as claimed in the  
17 claim.

18 With respect to claim 14, in addition to other limitations in the claim, the prior art does  
19 not teach a method which comprises steps of outputting a first address-strobing signal and

1 coupling the first address-strobing signal which include all the limitations as claimed in the  
2 claim.

3 With respect to claim 19, in addition to other limitations in the claim, the prior art does  
4 not teach a method which comprises steps of defining a third and fourth route which include  
5 all the limitations as claimed in the claim.

6 With respect to claim 21, in addition to other limitations in the claim, the prior art does  
7 not teach a method which comprises steps of encouraging the creation in the configured FPGA  
8 of a shared signal route that transmits an address-strobing clock signal to the registered address  
9 input port and that transmits an address-change allowing signal to one or more of the address-  
10 sourcing modules and that transmits a data-strobing signal to one or more of the registered data  
11 output ports.

12 Any comments considered necessary by applicant must be submitted no later than the  
13 payment of the issue fee and, to avoid processing delays, should preferably accompany the  
14 issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for  
15 Allowance."

16  
17 ***Conclusion***

18 4. Any inquiry concerning this communication or earlier communications from the examiner  
19 should be directed to ***Daniel D. Chang*** whose telephone number is (703)306-4549. The

Art Unit: 2819

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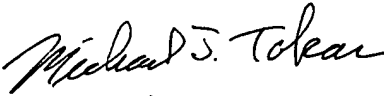
1 examiner can normally be reached between the hours of 6:30 AM to 4:00 PM Monday thru  
2 Thursday and every other Friday (first Friday of the bi-week).

3 Any inquiry of a general nature or relating to the status of this application or proceeding  
4 should be directed to the Group receptionist whose telephone number is (703) 308-0956.

5  
6  
7  
8  
9 Daniel D. Chang

10 Patent Examiner, Art Unit 2819

11 November 16, 2000

12  
  
Michael Tokar  
Supervisory Patent Examiner  
Technology Center 2800

**ATTACHMENT TO AND MODIFICATION OF**  
**NOTICE OF ALLOWABILITY (PTO-37)**  
**(November, 2000)**

**NO EXTENSIONS OF TIME ARE PERMITTED TO FILE CORRECTED OR FORMAL DRAWINGS, OR A SUBSTITUTE OATH OR DECLARATION**, notwithstanding any indication to the contrary in the attached Notice of Allowability (PTO-37).

If the following language appears on the attached Notice of Allowability, the portion lined through below is of no force and effect and is to be ignored<sup>1</sup>:

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to comply will result in ABANDONMENT of this application. ~~Extensions of time may be obtained under the provisions of 37 CFR 1.136(a)~~

Similar language appearing in any attachments to the Notice of Allowability, such as in an Examiner's Amendment/Comment or in a Notice of Draftperson's Patent Drawing Review, PTO-948, is also to be ignored.

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<sup>1</sup> The language which is crossed out is contrary to amended 37 CFR 1.85(c) and 1.136. See "Changes to Implement the Patent Business Goals", 65 Fed. Reg. 54603, 54629, 54641, 54670, 54674 (September 8, 2000), 1238 Off. Gaz. Pat. Office 77, 99, 110, 135, 139 (September 19, 2000).